

Title (en)
DRILL

Title (de)
BOHRER

Title (fr)
FORET

Publication
EP 2754518 A4 20150422 (EN)

Application
EP 11872005 A 20110906

Priority
JP 2011070296 W 20110906

Abstract (en)
[origin: EP2754518A1] Provided is a drill that achieves a shape of chips curled without a needle-like projection and accordingly shortened in overall length and that more smoothly discharges the chips to further improve a tool life. Since a cross section orthogonal to an axial center C of a drill 10 has a first convex curve CL1 corresponding to a convexly-curved cutting edge portion 12a and a first concave curve CL2 corresponding to a concavely-curved cutting edge portion 12b intersecting with each other at an intersection A, chips generated from a cutting edge 12 are curled and formed into a shape having no needle-like projection and accordingly relatively shortened in overall length and are smoothly discharged with enhanced discharge property and, therefore, the tool life of the drill 10 is further improved.

IPC 8 full level
B23B 51/00 (2006.01)

CPC (source: CN EP US)
B23B 51/02 (2013.01 - CN EP US); **B23B 51/06** (2013.01 - CN EP US); **B23B 2222/28** (2013.01 - CN EP US);
B23B 2251/04 (2013.01 - CN EP US); **B23B 2251/08** (2013.01 - US); **B23B 2251/12** (2013.01 - US); **B23B 2251/125** (2013.01 - CN EP US);
B23B 2251/14 (2013.01 - CN EP US); **B23B 2251/18** (2013.01 - CN EP US); **B23B 2251/241** (2013.01 - US); **B23B 2251/40** (2013.01 - EP US);
Y10T 408/909 (2015.01 - EP US); **Y10T 408/9095** (2015.01 - EP US); **Y10T 408/9097** (2015.01 - EP US)

Citation (search report)
• [XDI] JP 2003025125 A 20030129 - MITSUBISHI MATERIALS CORP
• [A] US 2011170974 A1 20110714 - MASUDA NORIHIRO [JP]
• [A] FR 2793176 A1 20001110 - TIVOLY S A [FR]
• See references of WO 2013035166A1

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2754518 A1 20140716; EP 2754518 A4 20150422; EP 2754518 B1 20181107; CN 103764325 A 20140430; CN 103764325 B 20160817;
JP 5762547 B2 20150812; JP WO2013035166 A1 20150323; US 2014219737 A1 20140807; US 9492877 B2 20161115;
WO 2013035166 A1 20130314

DOCDB simple family (application)
EP 11872005 A 20110906; CN 201180073268 A 20110906; JP 2011070296 W 20110906; JP 2013532352 A 20110906;
US 201114342029 A 20110906